

**Water Quality of Cape D'Aguiar Marine Reserve in Year 2023**

|  | Hok Tsui Wan |        | Telegraph Bay |        |
|--|--------------|--------|---------------|--------|
|  | Surface      | Bottom | Surface       | Bottom |
| Water Depth                            | Surface      | Bottom | Surface       | Bottom |
| Air Temperature (°C)                   | 25.08        |        | 25.08         |        |
| Temperature (°C)                       | 23.13        | 21.88  | 22.78         | 21.98  |
| Salinity (‰)                           | 30.90        | 31.50  | 31.30         | 31.55  |
| Dissolved Oxygen (mg/L)                | 7.30         | 6.28   | 6.80          | 6.30   |
| pH                                     | 8.01         | 7.98   | 8.05          | 7.98   |
| Secchi Disc Depth (m)                  | 1.3          |        | 1.4           |        |
| Turbidity (NTU)                        | 1.25         | 1.38   | 1.25          | 1.00   |
| Suspended Solids (mg/L)                | 2.75         | 2.75   | 2.88          | 2.88   |
| 5-Day Biochemical Oxygen Demand (mg/L) | <2           | <2     | <2            | <2     |
| Ammoniacal Nitrogen (mg/L)             | 0.02         | 0.01   | 0.02          | 0.02   |
| Unionized Ammonia (mg/L)               | <0.01        | <0.01  | <0.01         | <0.01  |
| Nitrite Nitrogen (mg/L)                | 0.01         | 0.01   | 0.01          | 0.01   |
| Nitrate Nitrogen (mg/L)                | 0.06         | 0.06   | 0.06          | 0.06   |
| Total Inorganic Nitrogen (mg/L)        | 0.10         | 0.07   | 0.08          | 0.07   |
| Total Kjeldahl Nitrogen (mg/L)         | 0.34         | 0.24   | 0.25          | 0.23   |
| Total Nitrogen (mg/L)                  | 0.39         | 0.28   | 0.30          | 0.26   |
| Orthophosphate Phosphorus (mg/L)       | 0.01         | 0.01   | 0.01          | 0.01   |
| Total Phosphorus (mg/L)                | <0.1         | <0.1   | <0.1          | <0.1   |
| Chlorophyll-a (µg/L)                   | 2.26         | 2.16   | 2.28          | 2.54   |
| <i>E. coli</i> (cfu/100 mL)            | 33           | 12     | 15            | 15     |
| Faecal Coliforms (cfu/100 mL)          | 96           | 44     | 21            | 21     |